

P 9513643

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	
DECLARATION AND POWER OF ATTORNEY	ATTORNEY'S DOCKET NO. 2345/17

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name,

I believe I am an original, first, and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled **METHOD FOR MANUFACTURING A CALIBRATED LINEAR SCALE IN THE NANOMETER RANGE FOR TECHNICAL DEVICES USED FOR THE HIGH-RESOLUTION OR ULTRAHIGH-RESOLUTION IMAGING OF STRUCTURES AND SUCH LINEAR SCALE**, the specification of which was filed on February 6, 1997 as U.S. Serial No. 08/795,622.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

PRIOR FOREIGN APPLICATION(S)

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)	PRIORITY CLAIMED UNDER 35 U.S.C. § 119
Germany	196 04 348.4	07/02/96		YES

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys:
Richard L. Mayer (Reg. No. 22,490)
William C. Gehris (Reg. No. 38,156)

SEND CORRESPONDENCE, AND DIRECT TELEPHONE CALLS TO:

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I declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful statements may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR	FAMILY NAME Loesch	FIRST GIVEN NAME Rainer	SECOND GIVEN NAME
RESIDENCE & CITIZENSHIP	CITY 68766 Hockenheim	STATE OR FOREIGN COUNTRY Germany	COUNTRY OF CITIZENSHIP Germany
POST OFFICE ADDRESS	POST OFFICE ADDRESS Schillerstrasse 2	CITY 68766 Hockenheim	STATE & ZIP CODE/COUNTRY Germany
Signature <i>Rainer Loesch</i>		Date <i>26.03.97</i>	
FULL NAME OF INVENTOR	FAMILY NAME Hillmer	FIRST GIVEN NAME Hartmut	SECOND GIVEN NAME
RESIDENCE & CITIZENSHIP	CITY 64287 Darmstadt	STATE OR FOREIGN COUNTRY Germany	COUNTRY OF CITIZENSHIP Germany
POST OFFICE ADDRESS	POST OFFICE ADDRESS Peter-Behrens-Strasse 12	CITY 64287 Darmstadt	STATE & ZIP CODE/COUNTRY Germany
Signature		Date	
FULL NAME OF INVENTOR	FAMILY NAME Schlapp	FIRST GIVEN NAME Winfried	SECOND GIVEN NAME
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POST OFFICE ADDRESS	POST OFFICE ADDRESS Friedhofsweg 11	CITY 64331 Weiterstadt	STATE & ZIP CODE/COUNTRY Germany
Signature		Date	

I declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful statements may jeopardize the validity of the application or any patent issuing thereon.

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RESIDENCE & CITIZENSHIP	CITY 68766 Hockenheim	STATE OR FOREIGN COUNTRY Germany	COUNTRY OF CITIZENSHIP Germany
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Signature		Date	
FULL NAME OF INVENTOR	FAMILY NAME Hillmer	FIRST GIVEN NAME Hartmut	SECOND GIVEN NAME
RESIDENCE & CITIZENSHIP	CITY 64287 Darmstadt	STATE OR FOREIGN COUNTRY Germany	COUNTRY OF CITIZENSHIP Germany
POST OFFICE ADDRESS	POST OFFICE ADDRESS Peter-Behrens-Strasse 12	CITY 64287 Darmstadt	STATE & ZIP CODE/COUNTRY Germany
Signature <i>M. Hillmer</i>		Date 26/03/97	
FULL NAME OF INVENTOR	FAMILY NAME Schlapp	FIRST GIVEN NAME Winfried	SECOND GIVEN NAME
RESIDENCE & CITIZENSHIP	CITY 64331 Weiterstadt	STATE OR FOREIGN COUNTRY Germany	COUNTRY OF CITIZENSHIP Germany
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Signature <i>W. Schlapp</i>		Date 1.4.97	

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FULL NAME OF INVENTOR	FAMILY NAME Poecker	FIRST GIVEN NAME Armin	SECOND GIVEN NAME
RESIDENCE & CITIZENSHIP	CITY 64625 Bensheim	STATE OR FOREIGN COUNTRY Germany	COUNTRY OF CITIZENSHIP Germany
POST OFFICE ADDRESS	POST OFFICE ADDRESS Maerkerwaldstrasse 3	CITY 64625 Bensheim	STATE & ZIP CODE/COUNTRY Germany
Signature <i>Armin Poecker</i>		Date <i>March 26, 1997</i>	
FULL NAME OF INVENTOR	FAMILY NAME Betz	FIRST GIVEN NAME Walter	SECOND GIVEN NAME
RESIDENCE & CITIZENSHIP	CITY 64342 Seeheim-Jugenheim	STATE OR FOREIGN COUNTRY Germany	COUNTRY OF CITIZENSHIP Germany
POST OFFICE ADDRESS	POST OFFICE ADDRESS Im Strehling 6	CITY 64342 Seeheim-Jugenheim	STATE & ZIP CODE/COUNTRY Germany
Signature <i>Walter Betz</i>		Date <i>March 26, 1997</i>	
FULL NAME OF INVENTOR	FAMILY NAME Goebel	FIRST GIVEN NAME Rainer	SECOND GIVEN NAME
RESIDENCE & CITIZENSHIP	CITY 55129 Mainz	STATE OR FOREIGN COUNTRY Germany	COUNTRY OF CITIZENSHIP Germany
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Signature <i>Rainer Goebel</i>		Date <i>03.24.76</i>	

ASSIGNMENT

WHEREAS, we,

Rainer Loesch
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Citizenship: German

and

Hartmut Hillmer
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Citizenship: German

and

Winfried Schlapp
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and

Armin Poecker
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64625 Bensheim
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Citizenship: German

and

Walter Betz
Im Strehling 6
64342 Seeheim -Jugenheim
Germany
Citizenship: German

and

Rainer Goebel
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55129 Mainz
Germany
Citizenship: German

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have made new and useful improvements in a **METHOD FOR MANUFACTURING A CALIBRATED LINEAR SCALE IN THE NANOMETER RANGE FOR TECHNICAL DEVICES USED FOR THE HIGH-RESOLUTION OR ULTRAHIGH-RESOLUTION IMAGING OF STRUCTURES AND SUCH LINEAR SCALE**, for which an application for Letters Patent was filed on February 6, 1997, as U.S. Serial No. 08/7951,622, and

WHEREAS Deutsche Telekom AG, having a place of business at **Friedrich-Ebert-Allee 140, 53113 Bonn, Germany** and who, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited,

NOW, THEREFORE, for valuable consideration furnished by Assignees to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer, and convey to Assignees the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in any and all countries, including all divisional, renewal, substitute, continuation, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.

2. Authorize Assignees to file patent applications in any or all countries for any or all of said inventions and discoveries in our name or in the name of Assignees or otherwise as Assignees may deem advisable, under an International Convention or otherwise.

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignees, as assignees of the entire right, title, and interest therein or otherwise as Assignees may direct.

4. Warrant that we have not conveyed to others any right, title, or interest in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; that we have good right to assign the same to Assignees without encumbrance; and that we are aware of no claim to the contrary.

5. Bind our heirs, legal representatives, and assigns, as well as ourselves to do, upon Assignees' request and at Assignees' expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignees as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and

particularly to execute and deliver to Assignees all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignees; to communicate to Assignees all facts known to us relating to said inventions and discoveries or the history thereof; to furnish Assignees with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries; and to testify to the same in any interference, arbitration, or litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 26 day of March, 1997.

R. Loesch

Rainer Loesch

WITNESSED BY:

Johannes Schmitt
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WITNESSED BY:

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003221 2505250

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 26 day
of March, 1997.

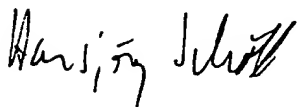

Hartmut Hillmer

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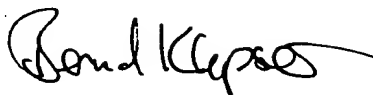


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IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 1 day
of April, 1997.

W. Schlapp
Winfried Schlapp

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IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 26 day
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Armin Poecker
Armin Poecker

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Walter Betz
Walter Betz

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